

**Report Date:** 05 Jun 2013

**Summary Report for Individual Task**  
**061-320-5307**  
**Establish Survey Control Using The Gun Laying and Positioning System**  
**Status: Approved**

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DISTRIBUTION RESTRICTION: Approved for public release; distribution is unlimited.

DESTRUCTION NOTICE: None

**Condition:** Given a Gun Laying and Positioning System (GLPS) oriented for direction in a battery location and a requirement to establish survey control using the GLPS. Some iterations of this task should be performed in MOPP.

**Standard:** Establish survey control using the GLPS so that an orienting station (OS) and the end of the orienting line (EOL) are established without error IAW the technical guidance listed in TM 9-6675-347-13&P.

**Special Condition:** None

**Special Standards:** None

**Special Equipment:**

**Safety Level:** Low

**MOPP:** Sometimes

| Task Statements |
|-----------------|
|-----------------|

**Cue:** Arriving at a position for occupation.

**DANGER**

None

**WARNING**

None

**CAUTION**

None

**Remarks:** None

**Notes:** None

### **Performance Steps**

1. Select Gun Laying menu. The Gun Laying menu provides the operator with five menu options.

Note: The Gun Laying menu option is used to establish Survey Control with the GLPS.

- a. The Lay by Deflct option.
- b. The Gun Coord option.
- c. The Lay by Azimuth option is used to determine coordinates, grid azimuth, vertical angle and range to various reference points or objects.
- d. The Azi Coord option
- e. The Back to MENU selection

2. Select Lay by Azimuth.

Note: The Lay by Azimuth option is used to determine direction and location of forward stations. Forward stations may then be used as orienting stations or reference points for future use.

3. Sight on forward station.

- a. Sight on the forward station.
- b. Press ENTR to measure direction, vertical angle and range.
- c. Record Azimuth, vertical angle and range to forward station.
- d. Press ENTR to display coordinates.
- e. Record Coordinates.
- f. Press ENTR to store coordinates.

4. Emplace Orienting Stations (OS) hub. Prepare the tag for the hub. Provide the following information on the tag:

Easting  
Northing  
Altitude  
8 digit grid of the OS hub

5. Emplace EOL marker.

- a. Have the soldier walk out 35 paces from the GLPS aiming circle.
- b. Insure the aiming stake is lined up with the reticle pattern on the GLPS sight system.
- c. Have the soldier emplace the stake in the ground with a hammer.
- d. Recheck the sight picture in the GLPS sight to insure the EOL is straight.

6. Record survey control data.

- a. Obtain the reading from the GLPS.

- b. Record the azimuth from the GLPS computer.
- c. Place the essential information on the tag ( i.e. azimuth to the EOL and today's date).
- d. Place the tag on the OS.

(Asterisks indicates a leader performance step.)

**Evaluation Preparation:** Setup: Ensure that all information, references, and equipment required to perform the task are available. Use the performance measures and the references to score the Soldier's performance. Brief the Soldier. Tell the Soldier what he is required to IAW the task conditions and standards.

| PERFORMANCE MEASURES                 | GO | NO-GO | N/A |
|--------------------------------------|----|-------|-----|
| 1. Selected gun laying menu          |    |       |     |
| 2. Selected lay by azimuth.          |    |       |     |
| 3. Sighted on the forward station.   |    |       |     |
| 4. Emplaced the OS hub.              |    |       |     |
| 5. Emplaced the EOL.                 |    |       |     |
| 6. Recorded the Survey Control data. |    |       |     |

**Supporting Reference(s):**

| Step Number | Reference ID       | Reference Name                                                                                                                                                                                   | Required | Primary |
|-------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|
|             | FM 6-50            | Tactics, Techniques, and Procedures for the Field Artillery Cannon Battery                                                                                                                       | No       | No      |
|             | TM 9-6675-347-13&P | Operator, Organizational and Direct Support Maintenance Manual Including Repair Parts and Special Tools List for Gun Laying and Positioning System (GLPS): M67 (NSN 6675-01-430-1965) (EIC: CJ2) | No       | No      |

**Environment:** Environmental protection is not just the law but also the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects.

**Safety:** In a training environment, leaders must perform a risk assessment in accordance with FM 5-19, Composite Risk Management. Leaders will complete a DA Form 7566 COMPOSITE RISK MANAGEMENT WORKSHEET during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, NBC Protection, FM 3-11.5, CBRN Decontamination. The Rangefinder MRF2000-1 is eyesafe when operated according to the operator manual. Established eyesafe laser exposure level may be exceeded through unauthorized handling (e.g. opening the cover or using other power supply means than those described in the operator manual). Under these circumstances, eye injury to operator and bystanders caused by radiant exposure is possible, including damage to the cornea and/or retina.

**Prerequisite Individual Tasks :** None

**Supporting Individual Tasks :** None

**Supported Individual Tasks :** None

**Supported Collective Tasks :**

| Task Number | Title | Proponent | Status |
|-------------|-------|-----------|--------|
|-------------|-------|-----------|--------|

|           |                                |                                   |          |
|-----------|--------------------------------|-----------------------------------|----------|
| 06-4-5041 | Prepare for a Survey Operation | 06 - Field Artillery (Collective) | Approved |
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